

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006700

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12P7/06 C12P5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, FSTA, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BRYAN ET AL: "IOWA Ethanol Plant Pre-Feasibility" 'Online! 2000, XP002300947 Retrieved from the Internet: URL:http://www.iowaagopportunity.org/ethanolmanual/plant.pdf> 'retrieved on 2004-10-15! pages 42,43</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-43

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

15 October 2004

Date of mailing of the International search report

08/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Lejeune, R

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WEILAND P ET AL: "OPERATIONAL BEHAVIOR OF AN INDUSTRIAL FIXED BED REACTOR FOR BIOMETHANATION OF ALCOHOL SLOPS FROM DIFFERENT CROPS" WATER SCIENCE AND TECHNOLOGY, vol. 22, no. 1-2, 1990, pages 385-394, XP008036775 & INTERNATIONAL ASSOCIATION ON WATER POLLUTION RESEARCH AND CONTROL CONFERENCE ON TECHNICAL ADVANCES I ISSN: 0273-1223 the whole document -----	36-41
A	DATABASE WPI Section Ch, Week 198151 Derwent Publications Ltd., London, GB; Class C03, AN 1981-95025D XP002300951 & ZA 8 005 297 A (PROCESS ENG CO) 10 July 1981 (1981-07-10) cited in the application abstract -----	1-43
A	DATABASE FSTA 'Online! INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT-MAIN, DE; 1978, MARNICHENKO V A ET AL: "Intensified saccharification and fermentation of starch raw material subjected to prior mechanical/chemical destruction." XP002300950 Database accession no. 79-2-11-h1802 abstract -----	1-43
A	US 5 559 031 A (ZINNAMOSCA FRANCESCO ET AL) 24 September 1996 (1996-09-24) the whole document -----	1-43
A	BARUQUE FILHO EDMOND A ET AL: "Babassu coconut starch liquefaction: An industrial scale approach to improve conversion yield" BIORESOURCE TECHNOLOGY, vol. 75, no. 1, October 2000 (2000-10), pages 49-55, XP002300948 ISSN: 0960-8524 the whole document -----	1-43
A	US 6 355 456 B1 (HALLBERG DAVID E ET AL) 12 March 2002 (2002-03-12) the whole document -----	1-43
	-/-	

INTERNATIONAL SEARCH REPORTInternational Application No
PCT/EP2004/006700**C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WAYMAN M ET AL: "SACCHARIFICATION AND FERMENTATION OF WHOLE BARLEY GROUND IN THE SZEGO MILL" STARCH, vol. 40, no. 11, 1988, pages 418-422, XP008036922 ISSN: 0038-9056 the whole document -----	1-43
A	FUKUZAKI S ET AL: "High rate performance and characterization of granular methanogenic sludges in upflow anaerobic sludge blanket reactors fed with various defined substrates." JOURNAL OF FERMENTATION AND BIOENGINEERING, vol. 79, no. 4, 1995, pages 354-359, XP002301043 the whole document -----	1-43

INTERNATIONAL SEARCH REPORT
 Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
ZA 8005297	A	26-08-1981	NONE		
US 5559031	A	24-09-1996	IT	1211714 B	03-11-1989
			AT	133203 T	15-02-1996
			AU	2260688 A	09-03-1989
			DE	3854918 D1	29-02-1996
			EP	0330686 A1	06-09-1989
			WO	8901522 A1	23-02-1989
			US	5545543 A	13-08-1996
US 6355456	B1	12-03-2002	CA	2376366 A1	12-09-2003